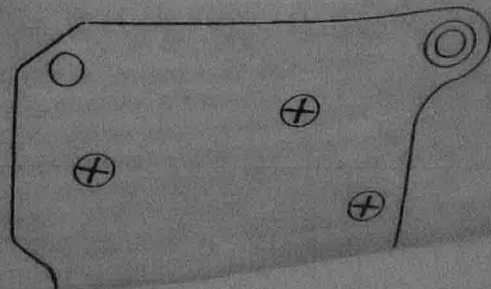


# EXHIBIT 1

**THE JEWELL TRIGGER**  
**(Patent No. 4671005)**

**REMINGTON 700, 40X, ETC.**  
**CUSTOM BENCHREST**



HVRTSBR-A

1LB.

+BC

706845

010411



Trigger Rem 700, 40X w/Safety 1-1/2  
oz to 3 lb SS  
HVRTSBR-A

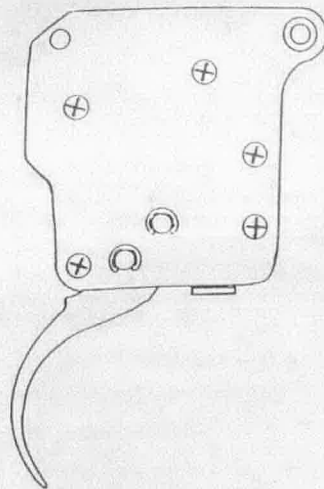
C-Line.com  
Style #47246 1-888-860-9120





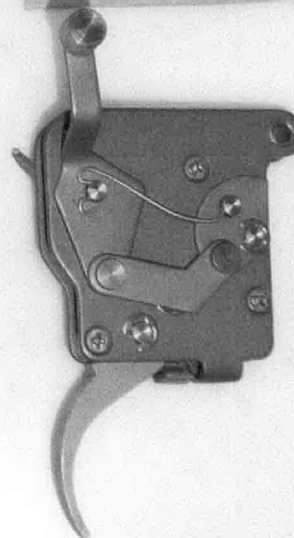
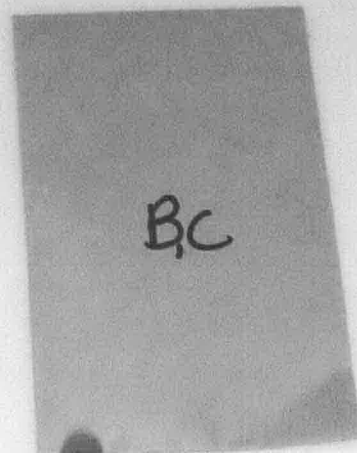
THE JEWELL TRIGGER  
(Patent No. 4671005)

REMINGTON 700, 40X, ETC.  
CUSTOM BENCHREST



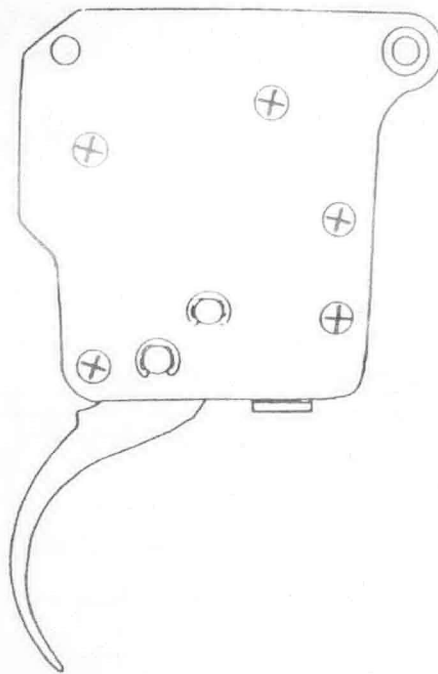
JEWELL TRIGGERS, INC.

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**THE JEWELL TRIGGER**  
(Patent No. 4671005)

**REMINGTON 700, 40X, ETC.  
CUSTOM BENCHREST**



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### I. GENERAL INFORMATION

Covered by 17 claims in Patent No. 4,671,025, the trigger is designed to allow the user to adjust the sensitivity in pull force, maintain consistent operation, and remove the action from the hook or the trigger from the action.

### II. MATERIALS

- Internal frame are 3/16" 440C stainless steel heat treated and tempered throughout to 58 Rockwell C scale.
- Side plates are 5007 aircraft grade 300 series stainless sheet steel.
- All hardware, including through pins, main spring, spacers, and screws, are stainless steel.

### III. FEATURES

- Modular design allows total disassembly for maintenance and clearing.
- The forward mounting pin and a pin in the firing pin stop that operates in a hole in the left side plate allows the trigger to stay together as a single assembly when not installed.
- The light load at the rear enables short, crisp, responsive, and repeatable operation.
- Insulators: The mounting hold pattern allows use of most actions that utilize the Remington 700 type trigger.

### E. Range of Adjustment

- BR (Light Pull Competition Model): 1.5 oz. to 3.0 oz.
- HVR (Hunting/Varmint Model) with:
  - Spring A: 8.0 to 48.0 oz.
  - Spring B: 2.0 oz. to 18.0 oz.
  - Spring C: 1.5 oz. to 3.0 oz.

Note: Settings below those listed is not recommended.

### F. OPTIONS

- Positive Cam Safety (BR or HVR)
  - Bottom mounted lever, left or right.
  - Top mounted lever (Rem. 700 type) left or right.
- Box release lever, (Rem. 700 type) left or right.
- Two-stage operation (HVR only).

### BR TRIGGER

The firing pin block (11) is held in the cocked position by the vertical alignment of upper lever (6) and lower lever (7) which is captured in the locked position by rear (5).

Location of the trigger shoe (4) releases rear (5) from the upper lever (6) allowing the upper lever (6) and lower lever (7) to collapse into a locked position (then Figure 2), allowing block (11) to fall, thus releasing the firing pin.

The levers (6) and (7) will stay in the collapsed position until the lever shoe (4) is released by the firing pin (10) from the upper lever shoe (6) and (7) back to cocked position. Rear (5) is reset by compression of spring (9).

FIG. 1. (COCKED)

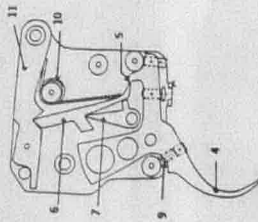
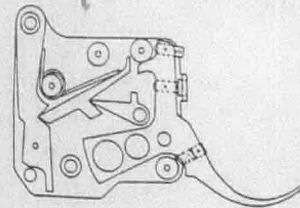


FIG. 2. (FIRED)



### HVR TRIGGER

The firing pin block (11) is held in the cocked position by the vertical alignment of upper lever (6) and lower lever (7) which is captured in the locked position by rear (5).

Location of the trigger shoe (4) releases rear (5) from the upper lever (6) allowing the upper lever (6) and lower lever (7) to collapse into a locked position (then Figure 2), allowing block (11) to fall, thus releasing the firing pin.

The levers (6) and (7) will stay in the collapsed position until the lever shoe (4) is released by the firing pin (10) from the upper lever shoe (6) and (7) back to cocked position. Rear (5) is reset by compression of spring (9).

FIG. 1. (COCKED)

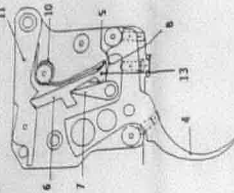
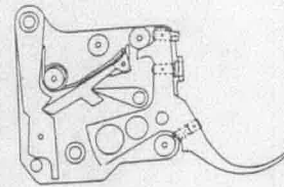


FIG. 2. (FIRED)



### ADJUSTMENT PROCEDURES (BR and HVR)

The trigger has been adjusted for most applications when shipped. However, if the user desires to adjust the trigger for a specific application, the user may adjust the trigger for a specific application.

All adjustment screws are fitted with nylon inserts to maintain the trigger's performance. The use of standard locking compounds is not necessary.

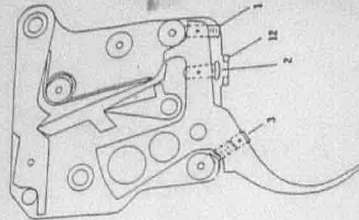
Screw (1) sets rear engagement (in = less rear engagement). Screw (2) sets pull force (in = more pull force). Screw (3) sets pull force (in = more pull force).

### Initial Adjustment Procedure

- Ensure that rifle is unloaded (1).
- Cock action, turn screw (1) inward until action fires. Back screw out approximately 3/4 turn.
- Recock action, turn screw (2) out until it contacts tab (12). While applying pull on the trigger, turn screw inward until action fires. Turn screw inward another 1/4 turn.
- Recock action and measure pull force. Turn screw inward another 1/4 turn and measure pull force. Turn screw inward another 1/4 turn and measure pull force. Do not exceed specifications for pull settings.
- Operate action for your particular method of shooting and adjust as needed.

Note: Rapid firing practices may require slightly more rear engagement or pull force to prevent unwanted firing.

Cleaning: Flush after each barrel cleaning with lighter fluid. The use of lubricants is not recommended.



## I. GENERAL INFORMATION

Covered by 17 claims in Patent No. 4671005, the unique geometry was designed to allow minimum load at the sear engagement point and to provide maximum adjustability in pull force, sear engagement, and overtravel without removing the action from the stock or the trigger from the action.

## II. MATERIALS

A. Internal parts are 3/16" 440C stainless steel, heat treated throughout to 58 Rockwell C.